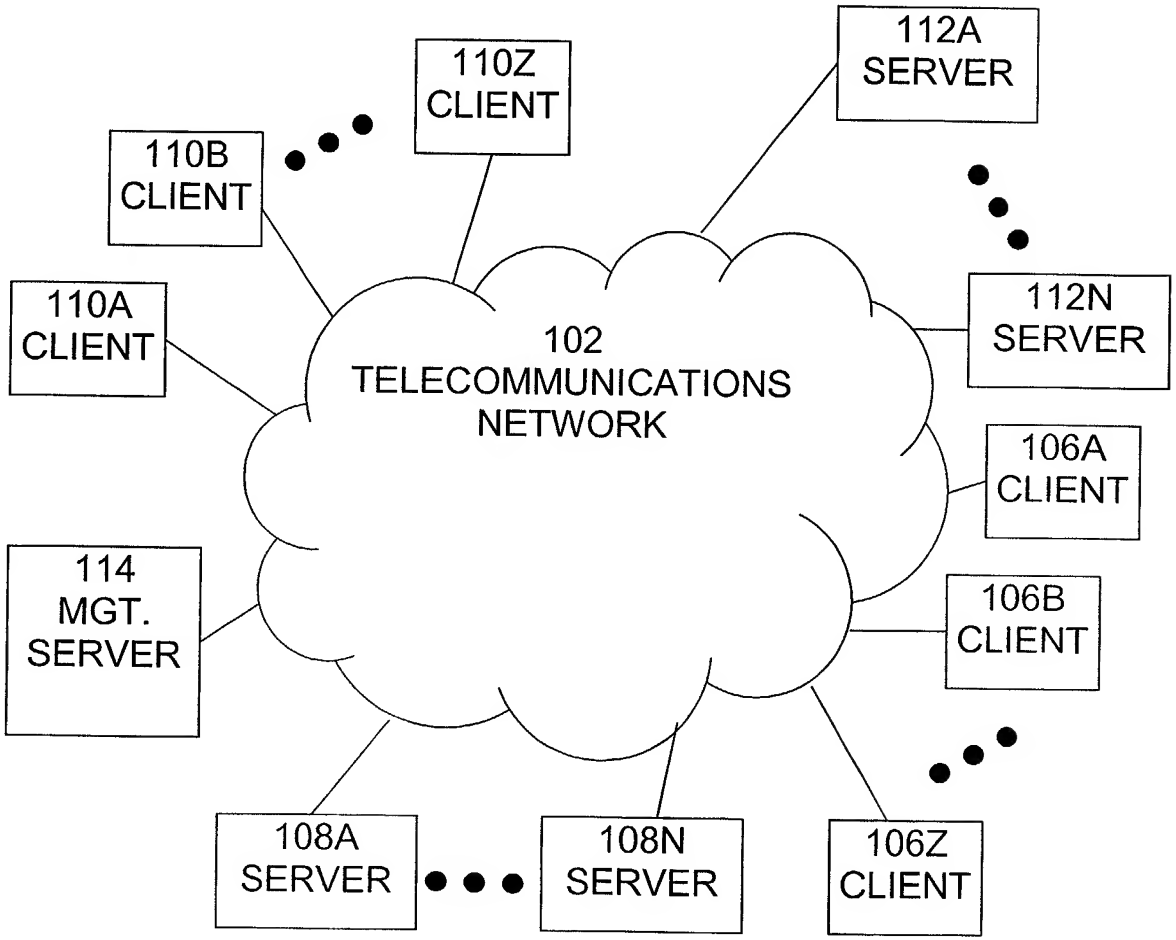
Fig. 1


110Z
CLIENT
112A
SERVER
110B
CLIENT
110A
CLIENT
102
TELECOMMUNICATIONS
NETWORK
112N
SERVER
106A
CLIENT
114
MGT.
SERVER
106B
CLIENT
108A
SERVER
108N
SERVER
106Z
CLIENT

100

Fig. 2a

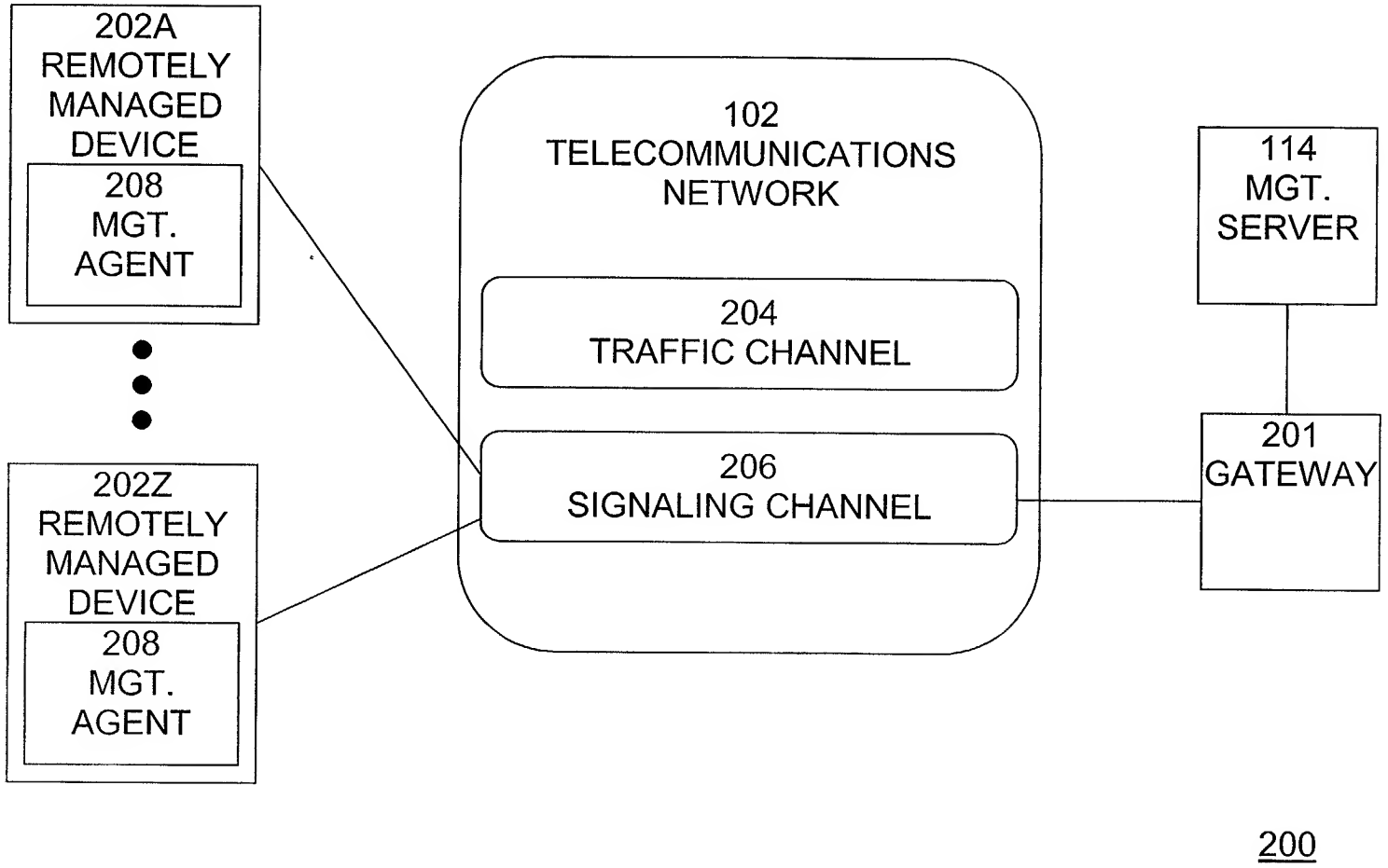

202A
REMOTELY
MANAGED
DEVICE
208
MGT.
AGENT
202Z
REMOTELY
MANAGED
DEVICE
208
MGT.
AGENT
102
TELECOMMUNICATIONS
NETWORK
204
TRAFFIC CHANNEL
206
SIGNALING CHANNEL
114
MGT.
SERVER
201
GATEWAY
200

Fig. 2b

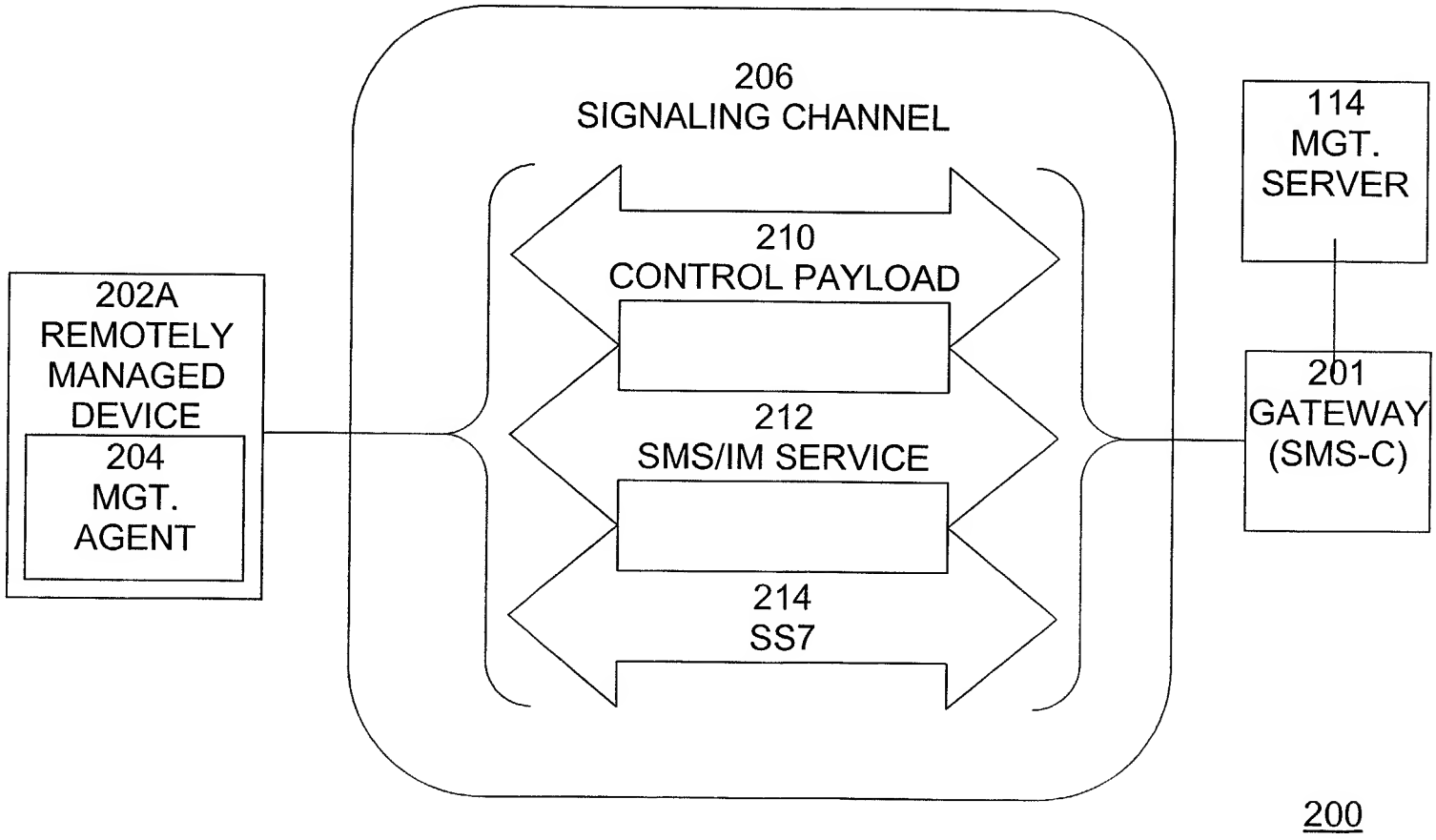

206
SIGNALING CHANNEL
210
CONTROL PAYLOAD
212
SMS/IM SERVICE
214
SS7
202A
REMOTELY
MANAGED
DEVICE
204
MGT.
AGENT
114
MGT.
SERVER
201
GATEWAY
(SMS-C)
200

Fig. 3

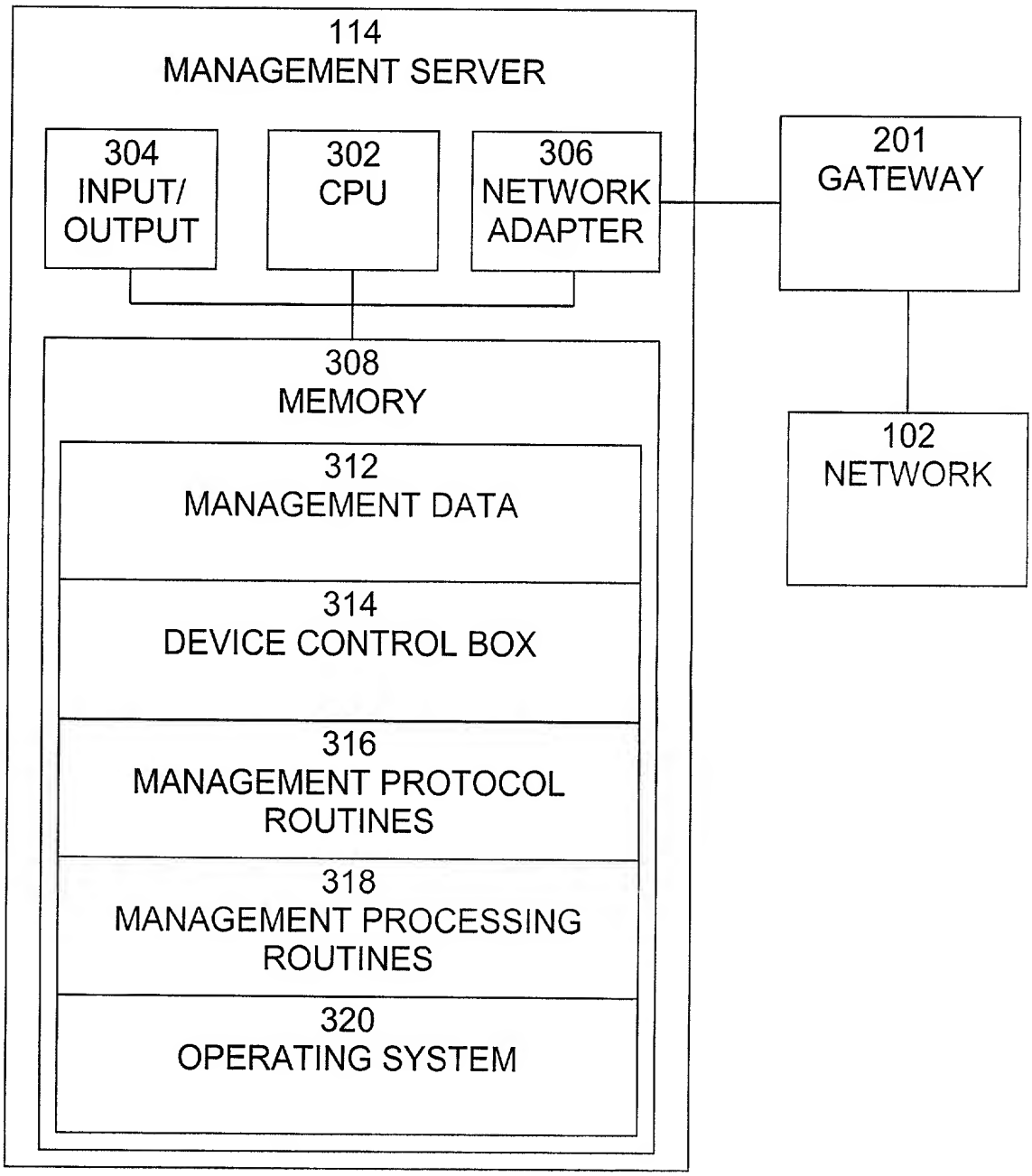

114
MANAGEMENT SERVER
304
INPUT/
OUTPUT
302
CPU
306
NETWORK
ADAPTER
201
GATEWAY
308
MEMORY
312
MANAGEMENT DATA
314
DEVICE CONTROL BOX
316
MANAGEMENT PROTOCOL
ROUTINES
318
MANAGEMENT PROCESSING
ROUTINES
320
OPERATING SYSTEM
102
NETWORK

Fig. 4

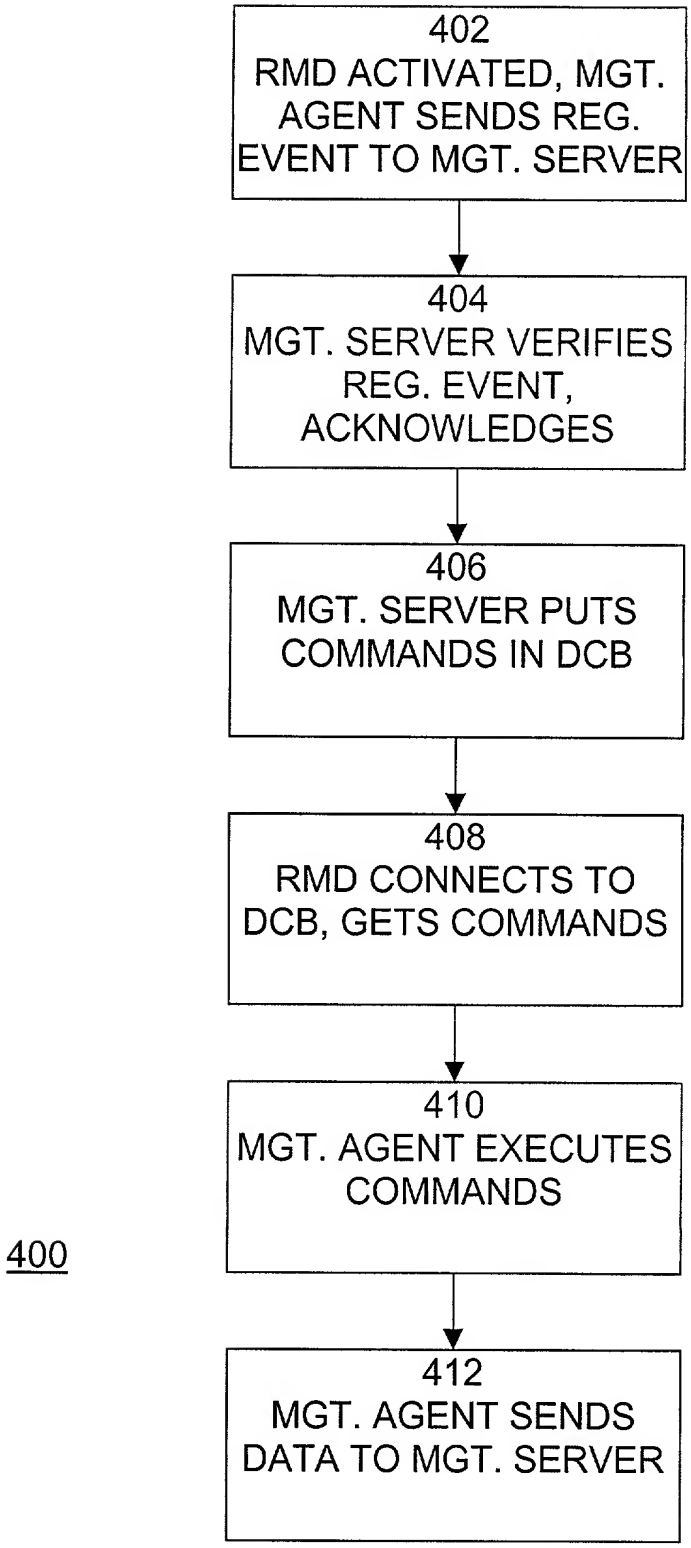
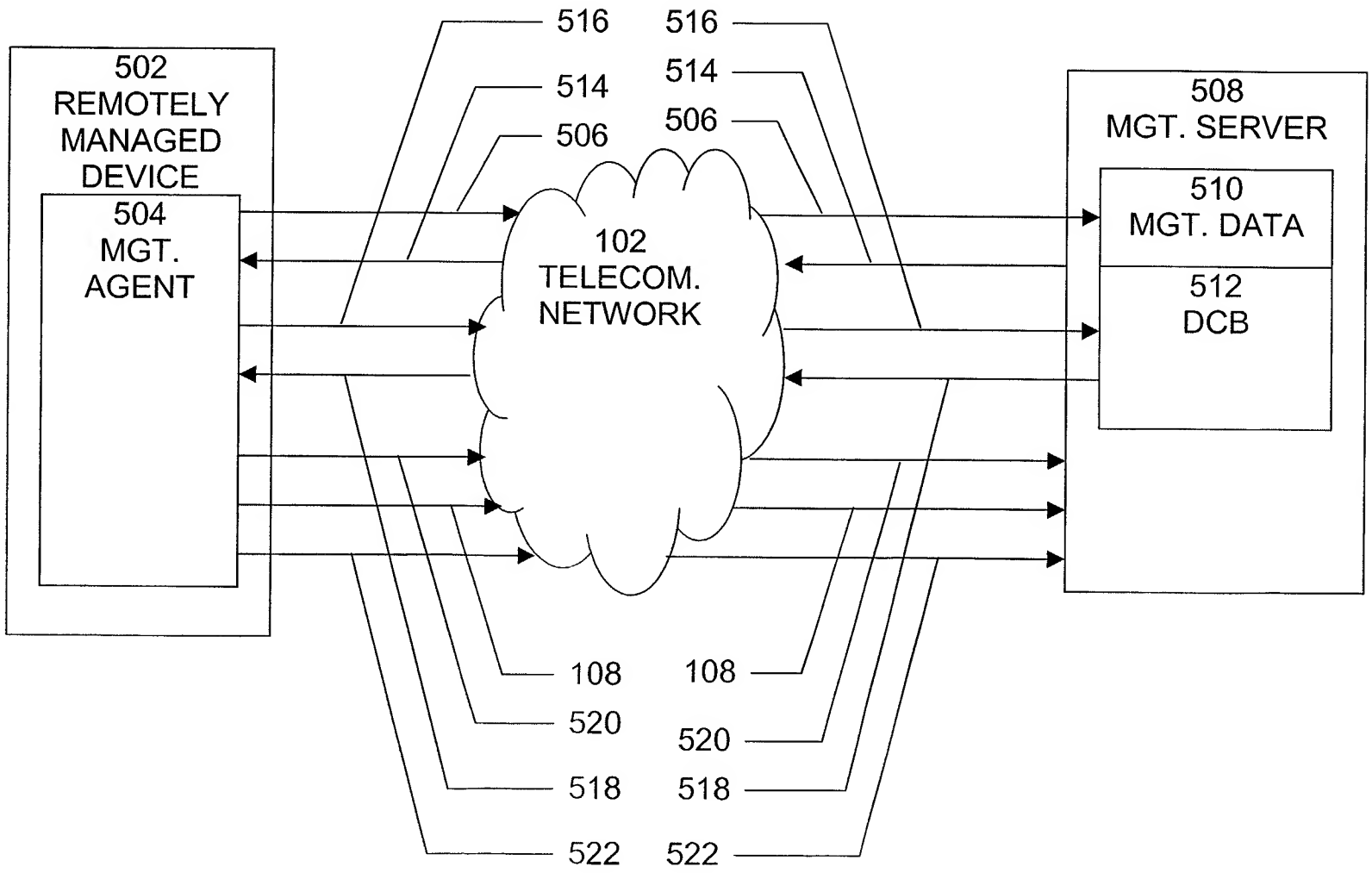

402
RMD ACTIVATED, MGT. AGENT SENDS REG. EVENT TO MGT. SERVER
404
MGT. SERVER VERIFIES REG. EVENT, ACKNOWLEDGES
406
MGT. SERVER PUTS COMMANDS IN DCB
408
RMD CONNECTS TO DCB, GETS COMMANDS
410
MGT. AGENT EXECUTES COMMANDS
412
MGT. AGENT SENDS DATA TO MGT. SERVER
400

Fig. 5


502
REMOTELY
MANAGED
DEVICE
504
MGT.
AGENT
516
514
506
516
514
506
102
TELECOM.
NETWORK
508
MGT. SERVER
510
MGT. DATA
512
DCB
108
520
518
522
108
520
518
522